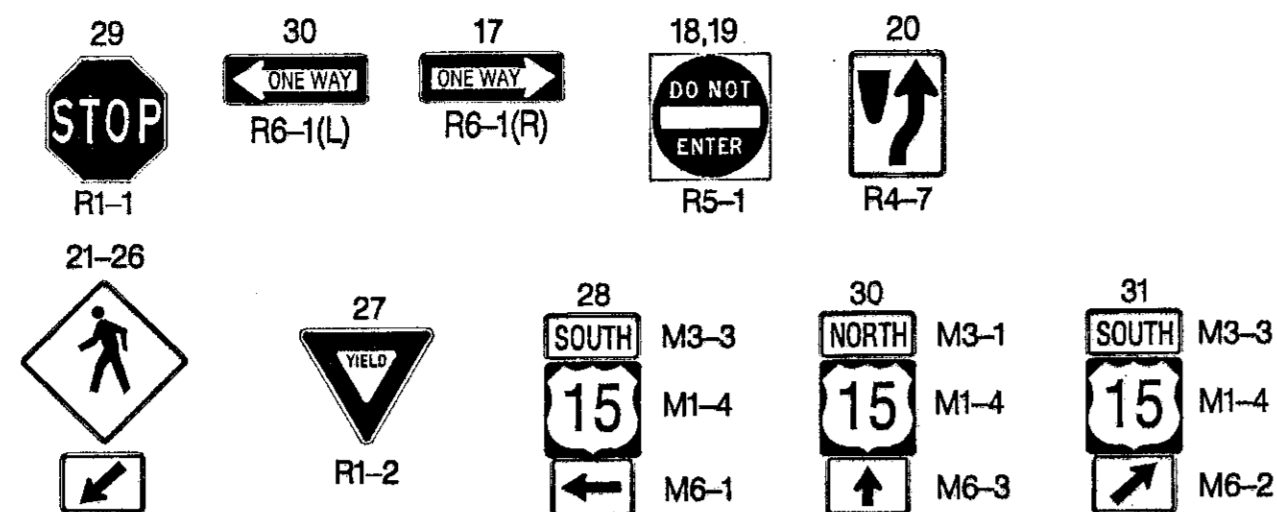
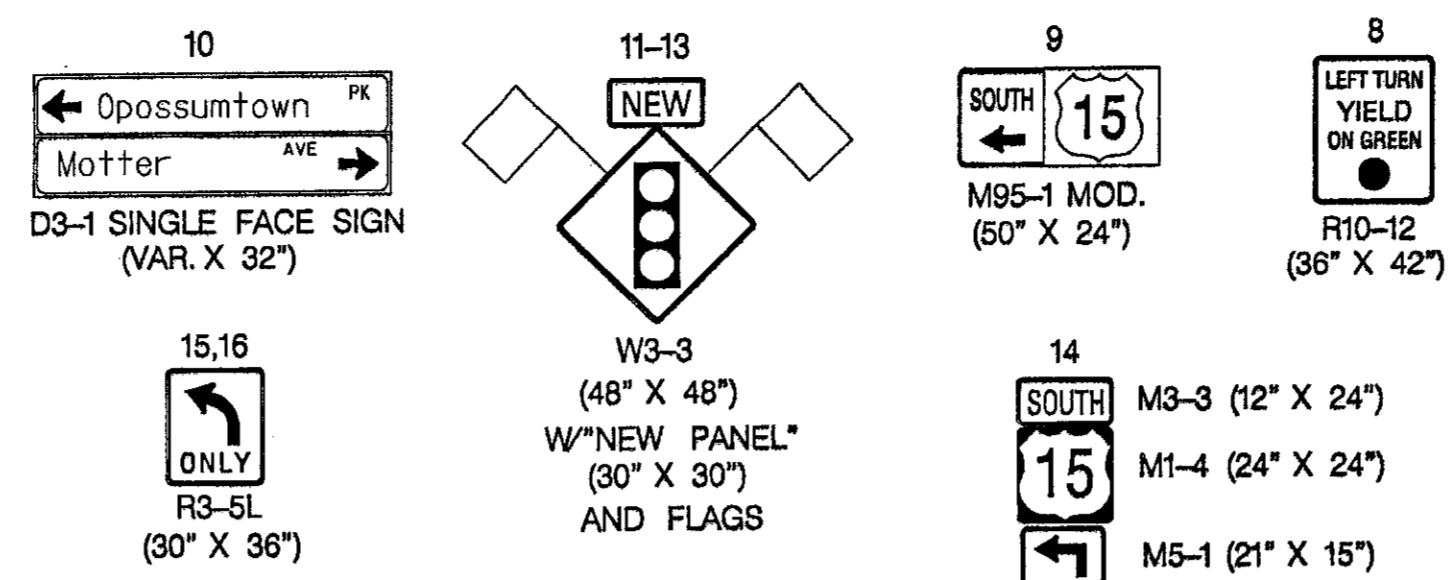


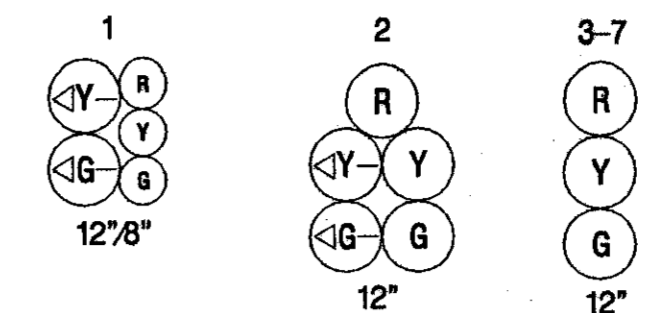
EXISTING SIGNS



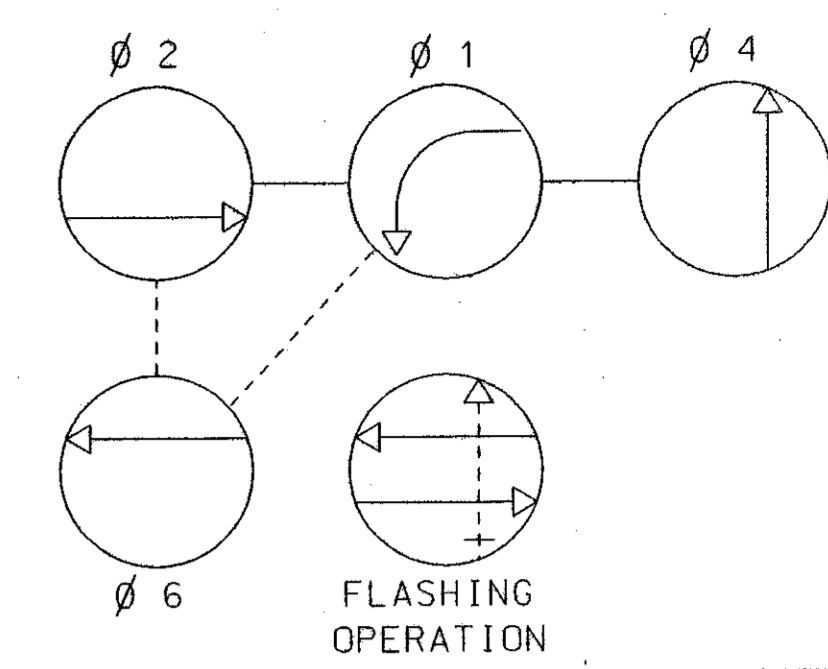
PROPOSED SIGNS



PROPOSED SIGNALS



NEMA PHASING



PHASING NOTES:

- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

- A. INSTALL 30 FT. GALVANIZED STEEL SQUARE POLE WITH TWIN 38 FT./38 FT. SQUARE MAST ARMS, SIGNAL HEADS, SIGNS, 250 WATT HPS LAMP AND LUMINAIRE, RECTANGULAR (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS).
- B. INSTALL 30 FT. GALVANIZED STEEL SQUARE POLE WITH 38 FT. SQUARE MAST ARM AND SIGNAL HEADS (NOTE: INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BEND)
- C. INSTALL NEMA SIZE "6" BASE MOUNTED CABINET LESS CONTROLLER AND INTERFACE (NOTE: INSTALL 2-4 IN. AND 2-2 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS) CITY OF FREDERICK TO FURNISH AND INSTALL EAGLE (EPAC 300) CONTROLLER AND INTERFACE
- D. INSTALL ELECTRICAL HANDHOLE
- E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- F. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
- G. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED
- H. SEE INTERCONNECT PLAN FOR DETAIL
- J. INSTALL MICRO-LOOP PROBE WITH 500 FT. LEAD-IN
- K. INSTALL 6 FT. X 30 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)
- L. INSTALL 6 FT. X 22 FT. QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3-6-3 WINDING)
- M. INSTALL 1 IN. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- N. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING
- O. INSTALL W3-3 SIGN ON TWO 4 IN. X 6 IN. WOOD POSTS APPROXIMATELY 300 FT. PRIOR TO INTERSECTION
- P. REMOVE EXISTING PAVEMENT MARKING
- Q. PROPOSED ELECTRICAL SERVICE ALLEGANY POWER (WRN# 865579)
- R. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - BORED FOR ELECTRICAL SERVICE
- S. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - SLOTTED
- T. REMOVE EXISTING STOP SIGN FROM SUPPORT
- U. INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING

GENERAL NOTES

- 1. LOOP DETECTORS SHALL BE INSTALLED 1 FT. BEHIND STOPLINE.
- 2. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- 3. LOOP DETECTORS AND CONDUIT SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- 4. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- 5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 6. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
- 7. THE CONTRACTOR SHALL NOTIFY MR. WILLIAM SHEETZ OF THE CITY OF FREDERICK AT (301) 694-1167 AT LEAST THREE DAYS IN ADVANCE OF INSTALLING ANY INTERCONNECT EQUIPMENT AND TO COORDINATE THE INSTALLATION OF THE CONTROLLER AND INTERFACE.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— TV —

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

REVISIONS	APPROVALS
	<i>Amy H. Beall</i> 4/12/04 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 6/15/09 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 6/15/09 DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
OPOSSUMTOWN PIKE AND S.B. US 15 OFF RAMP
TID # 15058-81

DRAWN BY: T. ZAYDEL	F.A.P. NO. 4254	TS NO. 4254	SHEET NO. 1 OF 3
CHECKED BY: K. SCHMID	S.H.A. NO.	T.I.M.S. NO. F713	
SCALE: 1" = 20'	COUNTY: FREDERICK	LOG MILE: 10001516.60	
DATE: 2-9-04			